

**Monitoring of use of power in industrial and commercial establishments**

† 2581. SHRI P.K. MAHESHWARI: Will the Minister of POWER be pleased to state:

- (a) whether it is a fact that in order to use the power economically in the country a considerable number of trained power managers would be required to monitor the use of power in industrial and commercial establishments;
- (b) if so, the estimated shortage of trained power managers in the country;
- (c) whether Government have taken any effective steps in this direction;
- (d) if so, the details thereof; and
- (e) if not, the reasons therefor?

THE MINISTER OF STATE IN THE MINISTRY OF POWER (SHRIMATI JAYAWANTI MEHTA): (a) to (e) Yes, Sir. Presently, the following institutions offer courses on energy management and other related aspects:—

- (i) Centre for Energy Studies in all IITs;
- (ii) Jadhpur University, Calcutta; (iii) Bharthidasan University, Trichi; and (iv) Devi Ahilya Vishva Vidyalaya, Indore.

The students passing out from the above institutions have basic qualifications to undertake energy management and efficiency activities. National Productivity Council have organised long term courses in the past. The Government of India has introduced the Energy Conservation Bill, 2000 in the Lok Sabha in the Budget Session of the Parliament. The Bill provides for efficient use of energy and its conservation and matters related and incidental thereto. It *inter alia* provides among other things that the Central Government may, by notification, in consultation with the Bureau of

---

† Original notice of the Question was received in Hindi.

Energy Efficiency, direct any designated consumer to appoint energy manager in charge of activities for efficient use of energy and its conservation and submit a report, in such form and manner as may be prescribed, on the status of energy consumption at the end of every financial year to the designated agency.

The enactment of the above legislation would create demand for more energy managers.

Apart from the institutions mentioned above, other institutions such as National Productivity Council, and other institutions in the field of energy efficiency would be encouraged to create infrastructure to meet the growing demand of energy managers.

The provisions relating to the appointment of energy managers by the designated consumers would be enforced only after arrangements of trained manpower of energy managers required together with the adequate infrastructure for the purpose have been created in the country. Energy Management Centre have initiated the task of preparing modalities for certification of energy managers with National Productivity Council.

#### **Installation cost of Thermal Power Plant**

2582. SHRI PREM CHAND GUPTA: Will the Minister of POWER be pleased to state:

- (a) whether it is a fact that installation cost per MW of Thermal Power Plant is declining in the Western countries; and
- (b) if so, what is its impact on our own installation cost?

THE MINISTER OF STATE IN THE MINISTRY OF POWER (SHRIMATI JAYAWANTI MEHTA): (a) Yes, Sir. The cost of coal based power plant equipment per MW is declining in the Western countries. However, the cost per MW in respect of combined cycle gas based power plants which also witnessed a declining trend earlier, has shown an upward trend.

(b) In India also, similar trend as above is experienced in view of international competitive bidding being adopted for power projects.